

communication means to said second route means, said second hook detecting means detects a hook state of said second communication means.

Claim 3. (Original) A communication apparatus according to claim 1, wherein said first hook detecting means is connected between said first switch means on said first route means and said second switch means.

Claim 4. (Original) A communication apparatus according to claim 1, wherein said first hook detecting means is connected between the telephone line and said first switch means.

Claim 5. (Original) A communication apparatus according to claim 1, wherein an off-hook detection current value of said second hook detecting means is smaller than an off-hook detection current value of said first hook detecting means.

Claim 6. (Original) A communication apparatus according to claim 1, wherein said first communication means includes timer determining means for judging, when an output of said hook detecting means changes, that a hook state changes after a fixed period time since the output has changed.

Claim 7. (Original) A communication apparatus according to claim 1, wherein current rectifying means constructed of four pieces of unidirectional devices, is provided between the telephone line of said second route means and said second switch means.

IN THE CLAIMS:

The following is a complete listing of the claims, and replaces all earlier listings and all earlier versions:

Claim 1. (Original) A communication apparatus comprising:

first communication means for connecting to a telephone line and thus performing communications;

connecting means for connecting second communication means which connects to the telephone line via said first communication means and thus performing communications;

first switch means for connecting the telephone line to said first communication means or said second communication means;

first route means for connecting said second communication means to the telephone line via said first switch means;

second route means for connecting said second communication means directly to the telephone line;

second switch means for connecting said second communication means to said first route means or said second route means;

first hook detecting means connected to said first route means; and

second hook detecting means connected between the telephone line of said second route means and said second switch means.

Claim 2. (Original) A communication apparatus according to claim 1, wherein when said second switch means connects said second communication means to said first route means, said first hook detecting means detects a hook state of said second communication means, and when said second switch means connects said second

Claim 8. (Original) A communication apparatus according to claim 1, further comprising means for connecting said second switch means to said first route means when said first switch means is connected to the side of said first communication means.

Claim 9. (Original) A communication apparatus according to claim 1, wherein said second route means includes a third switch means between the telephone line and said second switch means, and said third switch means is means for connecting and disconnecting said second route means.

Claim 10. (Original) A communication apparatus according to claim 9, wherein said third switch means is set in a second route means connecting state in the case of detecting the hook state of said second communication means when said second switch means is connected to said second route means.

Claim 11. (Original) A communication apparatus according to claim 10, wherein said first switch means is connected to said first communication means, and said third switch means is set in a second route means disconnecting state during an operation of said first communication means.

Claim 12. (Original) A communication apparatus according to any one of claims 1 through 11, wherein a MODEM is used for said first communication means, and said second communication means is a telephone set.

Claim 13. (Currently Amended) A communication apparatus capable of dialing from said communication apparatus in a state where a telephone set is connected and a handset is off-hooked, said communication apparatus comprising:

line connecting/disconnecting means for connecting/disconnecting the handset to/from a line ~~during dialing~~; and;

hook state detecting means for detecting a hook state of the handset from a line current ~~by connecting the handset to the line in an inter-digit time of dialing~~; and

control means for causing said line connecting/disconnecting means to disconnect the handset from the line in the process of transmitting a dial digit signal, and for, during the time period between digits of the dial signal, causing said line connecting/disconnecting means to connect the handset to the line and then causing said hook state detecting means to detect a hook state of the handset.

Claim 14. (Currently Amended) A communication apparatus according to claim 13, wherein said hook state detecting means includes stopping means for stopping transmitting a next digit in the case of judging in ~~the~~ an inter-digit time of dialing that the handset is in an on-hook state.

Claim 15. (Currently Amended) A communication apparatus according to claim 13, wherein said hook state detecting means includes:

digit transmission delaying means for delaying the transmission of the next digit in the case of detecting in ~~the~~ an inter-digit time of dialing that the handset is in the on-hook state;

dial interrupting means for interrupting dialing when the on-hook state consecutively continues for only an arbitrarily given on-hook determining time; and

dial processing continuing means for continuing the dial processing in the case of returning to the off-hook state before the on-hook determining time elapses.

Claim 16. (Currently Amended) A communication apparatus according to claim 13, wherein said hook state detecting means is means that does not monitor the hooking in ~~the~~ an inter-digit time of dialing from when receiving a communication start instruction onwards in the case of having receiving the communication start instruction from a user.

Claim 17. (Original) A communication apparatus comprising:
connecting means for connecting a telephone set through said communication apparatus;

first switch means for connecting a telephone line by switching over a communication unit of said communication apparatus and said telephone set;

hook detecting means, connected to the telephone line without through said first switch means, for detecting a hook state of said telephone set from a current supplied from the telephone line; and

second switch means enabling, if said telephone set is off-hooked, the current from the telephone line to flow to said telephone set and said hook detecting means,

wherein when dialing is done from said communication unit of said communication apparatus, said first switch means connects said communication unit of said communication apparatus to the telephone line, and said second switch means disconnects said telephone set from the telephone line.

Claim 18. (Original) A communication apparatus comprising:
connecting means for connecting a telephone set through said communication apparatus;

first switch means for connecting a telephone line by switching over a communication unit of said communication apparatus and said telephone set;

hook detecting means, connected to the telephone line without through said first switch means, for detecting a hook state of said telephone set from a current supplied from the telephone line; and

second switch means enabling, if said telephone set is off-hooked, the current from the telephone line to flow to said telephone set and said hook detecting means,

wherein when said communication unit of said communication apparatus judges whether a call received is given from FAX or a telephone, said first switch means connects said communication unit of said communication apparatus to the telephone line, and said second switch means connects said telephone set to the telephone line.

Claim 19. (Original) A communication apparatus comprising:

connecting means for connecting a telephone set through said communication apparatus;

first switch means for connecting a telephone line by switching over a communication unit of said communication apparatus and said telephone set;

rectifying means for rectifying a line current supplied from the telephone line;

hook detecting means, connected to the telephone line without through said first switch means, for detecting a hook state of said telephone set from a current supplied from the telephone line; and

second switch means enabling, if said telephone set is off-hooked, the current from the telephone line to flow to said telephone set and said hook detecting means,

wherein said rectifying means, said hook detecting means and said connecting means are connected in series,

in a wait state, said first switch means disconnects said communication unit of said communication apparatus from the telephone line, and said second switch means connects said telephone set to the telephone line through said rectifying means, and

said telephone set is thereby made not to ring in response to a calling signal from the telephone line.

Claim 20. (Original) A communication apparatus according to claim 17, wherein said second switch means disconnects said telephone set from the telephone line during dialing, and in an inter-digit time during the dialing, said second switch means connects said telephone set to the telephone line, and said hook detecting means detects a hook state.

Claim 21. (Original) A communication apparatus according to claim 20, wherein when said hook detecting means detects an on-hook of said telephone set, the dialing is stopped.

Claim 22. (Original) A communication apparatus according to claim 17, wherein said second switch means is connected closer to the telephone line than said first switch means.

Claim 23. (Original) A communication apparatus according to claim 17, further comprising:

second hook detecting means, connected to the telephone line through said first switch means, for detecting the hook state of said telephone set from a current supplied from the telephone line; and

third switch means enabling the current from the telephone line to flow to said telephone set and said second hook detecting means when said telephone set is off-hooked,

wherein in a ringing wait state in which said telephone set is made to ring in response to a call receiving signal, said first switch means disconnects said communication unit of said communication apparatus from the telephone line, said second switch means disconnects said telephone set from the telephone line, said third switch means connects said telephone set to the telephone line, and said telephone set is made to ring in response to a calling signal from the telephone line.

Claim 24. (Original) A communication apparatus according to claim 17, wherein in a state of using the line for communications, said first switch means connects said communication apparatus to the telephone line, and said second switch means disconnects said telephone set from the telephone line.

Claim 25. (Original) A communication apparatus according to claim 24, wherein when the communications are finished, said second switch means connects said telephone set to the telephone line, and said hook detecting means detects the hook state of said telephone set.

Claim 26. (Original) A communication apparatus comprising:
connecting means for connecting a telephone set through said communication apparatus;

first switch means for connecting a telephone line by switching over a communication unit of said communication apparatus and said telephone set;

hook detecting means, connected to the telephone line without through said first switch means, for detecting a hook state of said telephone set from a current supplied from the telephone line;

second switch means enabling, if said telephone set is off-hooked, the current from the telephone line to flow to said telephone set and said hook detecting means;

determining means for determining a state of said communication apparatus;
and

control means for controlling said first switch means and said second switch means in accordance with a result of the determination made by said determining means.

Claim 27. (Original) A communication apparatus according to claim 26,
further comprising:

second hook detecting means, connected to the telephone line through said first switch means, for detecting the hook state of said telephone set from a current supplied from the telephone line; and

third switch means enabling the current from the telephone line to flow to said telephone set and said second hook detecting means when said telephone set is off-hooked,

wherein said control means is means for controlling said first switch means, said second switch means and said third switch means in accordance with the result of the determination made by said determining means.